

Improvements in or Relating to Table Coverings

This invention relates to coverings for a table or similar surfaces and, in particular, to such coverings which are particularly suitable for use in commercial eating and/or
5 drinking establishments such as restaurants or cafés.

In such establishments, it is well known to locate promotional material on the tables. This may be in the form of beer mats or it may be printed on place mats of paper or plastic. Inherently, promotional material provided in this way is removable and limited in scope.
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An object of the present invention is to provide a table covering which may be used to convert the table top into a promotional medium, is not readily removed or damages by customers and yet may be replaced after a specified length of time. The covering may cover the whole table or may provide a display on part only of said table top.
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Thus, according to the present invention a covering for application to a surface top comprises

- i) a semi-permanent adhesive layer to be in contact with the top,
 - ii) a clear carrier layer,
 - 20 iii) a display layer which is printed on the carrier layer,
- wherein the table covering is arranged such that when applied to a surface top the nature of the covering is not readily visible except for the printed area, permitting the surface top to be visible through a substantial portion of the covering.

25 Preferably, the covering additionally comprises a substrate of release paper to be removed before application of the covering to a surface to assist in applying the covering to the surface. However, the covering could alternately be rolled up with the adhesive layer exposed on one side as the covering is unrolled for application to a surface.

30 The covering is preferably a table covering applied to a table top.

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The method by which a table covering of the present invention is used to finish a table top comprises providing a smooth table surface which is free of protuberances and applying to the table top the table covering described in the preceding paragraph, whilst removing the layer (i) of release paper from the table covering to allow the semi-permanent
5 adhesive layer (ii) to adhere to the table top. When necessary any air bubbles which are trapped beneath the table covering may be forced out using a suitable roller or squeegee.

The table covering may be made to cover substantially the whole of the table top with preferably any gap between the covering and the edge of the table is no more than 50
10 mm. If desired, the table covering may be of a shape and size to wrap over a part or parts of one or more edges of the table top to which it is applied, but preferably the shape and size of each table covering in accordance with the invention is such as to avoid the table covering having to be folded or pleated when it is applied to the table.

15 The printed display layer of the covering may extend over the whole area of the table covering, or it may be discontinuous and the printed display may consist of decorative and/or advertising material.

The table covering of the invention may be made to cover substantially the whole of
20 the table top with the display layer substantially less in area than the table, the positioning of display layer in relation to the table top being chosen to suit the particular circumstances of the case.

If desired, the table covering may be of a size and/or shape suitable to extend only
25 over a part of a table top.

The printed display layer of the covering may extend over substantially the whole area of the table covering if the latter is to cover only a part of the table top. On the other hand, the display layer may be located on only a minor portion of the table covering. The
30 printed display may consist of decorative and/or advertising material.

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It is a feature of the invention that the nature of the table covering is not to be readily visible, except for the printed area, to the customer using the table, permitting the table top to be visible through the non-printed areas, hence the carrier layer of polymer film and the semi-permanent adhesive layer beneath are to be totally clear, the appearance of the covering thus being in the nature of a finish on the table top. For this reason, the thickness of the film is important, the preferred thickness of the clear film being in the range 10 to 100 microns, more preferably 15 to 70 microns. The polymer used for the film is preferably flexible thermoplastic polyester such as polyethylene terephthalate (PET).

10 In use, the table covering of the invention is to be replaced at regular intervals of, for example, one month. Hence, the role of the semi-permanent adhesive is to grip the table top securely whilst the table covering is in use and yet allow complete removal and replacement of the table covering at the end of the desired period. The preferred adhesives are water clear, solvent based acrylic adhesives.

15 In a preferred embodiment of the invention, the table covering includes a second layer of polymer film which is to protect the printed layer and is glued over the printed display layer by means of a second layer of adhesive. The second layer of polymer film may be of a material approved for food contact applications. The glue by which it is applied is preferably an adhesive which is approved for indirect food contact applications. The preferred materials are clear oriented polypropylene (OPP) film for the protective polymer layer and clear EVA adhesive for the glue.

25 Preferably, the second layer of the polymer film has a thickness in the range 5 to 20 microns.

The method used to apply the table covering is simple, but care must be taken to make sure that the surface to which the covering is applied is clean and smooth and free of protuberances such as could be cause blemishes or solid particles (such as salt) on the

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surface.

Since the carrier layer of polymer film is itself thin and some precision is required in applying the table covering to the table top, in a further embodiment of the invention, an additional layer of release paper is provided on the top surface of the table covering, ie on the surface opposite to that of the substrate layer (i). The second layer of release paper is provided to make handling of the table covering easier. Depending upon the nature of the carrier layer of the table covering, it may be removed before or after application of the table covering to a table top has been carried out. In general, the thinner the carrier layer the more likely it is that the second layer of release paper will be retained on the table covering until after the table covering has been applied to a table top.

The invention will now be described in more detail, by way of example only, with reference to the accompanying drawings illustrating application of the covering to a table top, however the invention is not in any way limited to only table top applications. In the drawings:

Figure 1 is a sketch showing a magnified cross section of a part of a table covering according the invention;

Figure 2 is a similar sketch of a second embodiment of the invention;

Figure 3 is a sketch showing a plan view of a rectangular table covering in accordance with the invention;

Figure 4 is a sketch showing a plan view of a circular table covering in accordance with the invention on a table top;

Figure 5 is a sketch showing a plan view of another embodiment of circular table covering in accordance with the invention;

Figure 6 is a sketch showing a perspective view of the rectangular table covering of Figure 3 during its application to a table top;

Figure 7 is a sketch showing a perspective view of a square table covering during its application to a square table top;

Figure 8 is a sketch showing a plan view of a rectangular table covering in

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accordance with the invention; and

Figure 9 is a sketch showing a plan view of a circular table covering in accordance with the invention on a table top.

5 The table covering shown in Figure 1 consists of a substrate 1 of release paper, a layer of semi-permanent adhesive 2 on a carrier layer of polymer 3 bearing a printed display layer 4 and glued over the printed layer 4 by means of a second layer of adhesive 2a, a second layer of polymer film 3a. However, in an alternative embodiment, not illustrated, the release paper may be omitted with the covering being rolled up prior to application, such that the adhesive layer is exposed as the covering is unrolled immediately prior to application to the table top.

15 The semi-permanent adhesive of layer 2 is a solvent based water clear acrylic adhesive and layer 2 has a thickness of approximately 25 microns.

20 The carrier layer 3 is made from a commercially available clear PET film having a thickness of 38 microns, printed on which is the printed layer 4.

25 The printed display layer 4 is protected by the second layer of polymer 3a which is made from clear oriented polypropylene film having a thickness of approximately 8 microns. The adhesive layer 2a, by means of which the second polymer layer is attached, is made from a clear EVA adhesive.

30 The embodiment shown in Figure 2 is similar to that shown in Figure 1 except that the table covering of Figure 2 includes, on the second polymer layer 3a, a second layer of release paper 5 to assist in application of the covering to a table top.

 Figure 3 shows a plan from above, a rectangular table covering in which the carrier layer of clear PET film 6 carries a printed layer 7 which is smaller in area than the carrier layer.

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Figure 4 is a plan view showing a circular table covering in position on a circular table top 8. The table covering is also circular and its size is such that the edge 9 of the carrier layer of clear polymer film 10 is 10 mm from the edge of the table top.

5 The distance of the edge 11 of the printed area of the table covering from the edge 9 of the clear polymer film is not critical and depends upon the nature of the display material comprising the printed layer.

10 Figure 5 shows, in plan from above, a circular table covering in which the carrier layer of clear polymer film 12 has tabs 13 around its edge which are designed in use to wrap over the edge of a circular table top to provide additional anchorage for the table covering.

15 Figure 6 is a perspective view illustrating the method of application of the table coverings of this invention, using as an example the rectangular table covering of Figure 3.

20 The table covering is applied from one end of a rectangular table top 14 and in this case, the carrier layer 15 is long enough to wrap over the end 16 of the table top. During application, the release paper layer (not shown in the sketch) is removed from the table covering to expose the semi-permanent adhesive layer of the table covering and enable the table covering to adhere to the smooth table top which has been provided.

25 Figure 7 is a perspective view illustrating the application to a table top of another table covering in accordance with the invention.

 In this case, a square table covering 17 is being applied to a square table top 18, a layer of release paper 19 being steadily removed from the table covering to expose adhesive as the table covering is applied.

30 The printed display layer of the table covering 17 extends over the whole area of the

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table covering and the edges 20 of the table covering 17 are positioned 10 mm from the edges of the table top 18, there being no wrap-over of the table covering onto the edges of the table top in this embodiment.

5 Figure 8 shows, in plan from above, a rectangle table 21 bearing a table covering 22 extending only over the central "spine" of the table top. In this embodiment, the carrier layer of clear PET film may wrap over the ends of the table top (not shown) and carries a printed layer which extends over the whole area of the carrier layer which is on the top surface of the table.

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Figure 9 is a plan view showing a circular table covering 23 in position on a circular table top 24. The table covering is also circular and its size is such that the edge 25 of the carrier layer of clear polymer film is 10 mm from the edge of the table top.

15 The printed area of the table covering is a small area 26 in the centre of the table covering.

Although described above with application to a table, the table covering can be applied to similar surfaces such as a bar or counter top.